

# LARGE DYNAMIC RANGE PROGRAMMABLE GAIN ATTENUATOR

## ABSTRACT OF THE DISCLOSURE

A design of integrated circuit components to prevent accidental turn on when large input signals are accepted. With integrated circuits operated at lower power supply voltages, input signals having large peak values can tend to turn on devices within the integrated circuit erroneously. By placing amplifiers within the integrated circuits where input signals are received and removing the power of such amplifiers, accidental turn on can be minimized.

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